

32692

Customer Number

Patent  
Case No.: 59674US002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Named Inventor: FLOEDER, STEVEN P.

Application No.: 10/826995

Confirmation No.: 3492

Filed: April 19, 2004

Title: APPARATUS AND METHOD FOR THE AUTOMATED MARKING OF DEFECTS  
ON WEBS OF MATERIAL

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

<p align="center"><b>CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR § 1.8(a)]</b></p> <p>I hereby certify that this correspondence is being:</p> <p><input type="checkbox"/> deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p><input type="checkbox"/> transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at 571-273-8300.</p> <p><input checked="" type="checkbox"/> E-Filed</p> <p><i>December 5, 2006</i> <i>Phyllis J. Boetcher</i></p> <p>Date Signed by: Phyllis J. Boetcher</p>
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Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Copies of any cited foreign patents, foreign publications, non-patent literature documents, and any pending U.S. applications filed before June 30, 2003, are enclosed. Copies of any pending U.S. applications filed after June 30, 2003 that can be accessed on the USPTO's IFW system are not enclosed as per USPTO Waiver dated September 21, 2004. Copies of any U.S. patents and published U.S. patent applications are not enclosed.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p).

**Fees:**

☐ Please charge the fee provided in 37 CFR § 1.17(p) to Deposit Account No. 13-3723.  
One copy of this sheet marked duplicate is also enclosed.

☐ Any required fee will be paid at the time of EFS-Web submission.

☒ It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

December 5, 2006  
Date

By: Steven A. Bern

Steven A. Bern, Reg. No.: 57,095

Telephone No.: 651-733-2255

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
Facsimile No.: 651-736-3833

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Application Number	10/826995
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## U.S. Patent Documents

Exam Int *	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc Number-(Kind Code if Known)			
	A1	US- 3,759,620	09/18/1973	Cushing et al	
	A2	US- 4,173,441	11/06/1979	Wolf	
	A3	US- 4,752,897	06/21/1988	Zoller et al	
	A4	US- 4,776,023	10/04/1988	Hamada et al	
	A5	US- 5,305,392	04/19/1994	Longest, Jr. et al	
	A6	US- 5,365,596	11/15/1994	Dante et al	
	A7	US- 5,403,722	04/04/1995	Floeder et al	
	A8	US- 5,434,629	07/18/1995	Pearson et al	
	A9	US- 5,440,648	08/08/1995	Roberts et al	
	A10	US- 5,544,256	08/06/1996	Brecher et al	
	A11	US- 5,774,177	06/30/1998	Lane	
	A12	US- 6,014,209	01/11/2000	Bishop	
	A13	US- 6,031,931	02/29/2000	Chiu et al	
	A14	US- 6,092,059	07/18/2000	Straforini et al	
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	A16	US- 6,252,237	06/26/2001	Ramthun et al	
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	A18	US- 6,266,436 B1	07/24/2001	Bett et al	
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	A20	US- 6,272,437 B1	08/07/2001	Woods et al	
	A21	US- 6,314,379 B1	11/06/2001	Hu et al	
	A22	US- 6,330,350 B1	12/11/2001	Ahn et al	
	A23	US- 6,404,910 B1	06/11/2002	Ungpiyakul et al	
	A24	US- 6,407,373 B1	06/18/2002	Dotan	
	A25	US- 6,484,306 B1	11/19/2002	Bokor et al	
	A26	US- 6,496,596 B1	12/17/2002	Zika et al	
	A27	US- 6,661,507 B2	12/09/2003	Yoda et al	
	A28	US- 6,778,694 B1	08/17/2004	Alexandre (English Language Equiv. of WO 98/44336)	

\*Examiner:

Date Considered:

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		Doc. Number-(Kind Code if Known)			
	A29	US- 2002-0039436 A1	04/04/2002	Alumot et al	
	A30	US- 2002/0080347 A1	06/27/2002	Yoda et al.	

## Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		City Code	Number-(Kind Code if Known)				
	B1	EP	0 681 183 A2	11/08/1995	ABB Industrial Systems, Inc.		
	B2	EP	0 898 163 A1	02/24/1999	Fraunhofer- Gesellschaft Zur Forderung Der et al.		
	B3	EP	1 022 906	07/26/2000	HildecO OY Ltd.		
	B4	WO	99/10633	03/04/1999	DATA CUBE, INC.		
	B5	WO	00/07031	02/10/2000	Matsushita Electric Works, Ltd.		
	B6	WO	01/02840	01/11/2001	Parsytec Computer GmbH.		
	B7	WO	02/065107 A2	08/22/2002	Wintress Engineering Corporation		
	B8	WO	96/44336	10/08/1998	SOLLAC		

## OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1	"A PC-Based Real Time Defect Imaging System for High Speed Web Inspection", by J.W. Roberts, S.D. Rose, G. Jullien, L. Nichols, G. Moroscher, P.T. Jenkins, S.G. Chamberlain, R. Mantha, and D.J. Litwiler, DALSA Inc., pp. 7-29 — 7-41.	
	C2	"Real-Time Computer Vision on PC-Cluster and Its Application to Real-Time Motion Capture", by Daisaku Arita, Satoshi Yonemoto, and Rin-ichiro Taniguchi, Kyushu University, Japan, 2000, pp. 205 — 206.	
	C3	Technical Paper "The Application of a Flexible Machine Vision Architecture to the Inspection of Continuous Process Materials", by Brad Harkavy, from VISION '89 Conference, Chicago, Illinois, MS89-165, attended on April 24 — 27, 1989.	
	C4	"Flexible Circuits, Roll-to-Roll AOI" by Brian Tithecott, PC FAB, pp. 26 — 28, 30, and 32.	

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**OTHER DOCUMENTS**

Exem. Init *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C5	"A New Design Environment for Defect Detection in Web Inspection Systems", by S. Hossain Hajimowlana, Roberto Muscedere, Graham A. Jullien, James W. Roberts, DALSA Inc.; SPIE Vol. 3205, 1997, pp. 125 – 136.	
	C6	"Parsytec HTS-2, Defect Detection and Classification Through Software vs. Dedicated Hardware", by Reinhard Rinn, Scott A. Thompson, Dr. Ralph Foehr, Friedrich Luecking, and John Torre; SPIE Vol. 3645; January 1999, pp. 110 – 121.	

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